

## **HHS Public Access**

Author manuscript *Cell.* Author manuscript; available in PMC 2019 August 23.

Published in final edited form as:

*Cell*. 2019 July 11; 178(2): 507–508. doi:10.1016/j.cell.2019.06.028.

## Irisin Mediates Effects on Bone and Fat via ${\ensuremath{ \alpha V}}$ Integrin Receptors

Hyeonwoo Kim, Christiane D. Wrann, Mark Jedrychowski, Sara Vidoni, Yukiko Kitase, Kenichi Nagano, Chenhe Zhou, Joshua Chou, Virginia-Jeni A. Parkman, Scott J. Novick, Timothy S. Strutzenberg, Bruce D. Pascal, Phuong T. Le, Daniel J. Brooks, Alexander M. Roche, Kaitlyn K. Gerber, Laura Mattheis, Wenjing Chen, Hua Tu, Mary L. Bouxsein, Patrick R. Griffin, Roland Baron, Clifford J. Rosen, Lynda F. Bonewald, Bruce M. Spiegelman<sup>\*</sup>

Our paper identified  $\alpha V$  integrins as the cellular receptors for irisin, acting in osteocytes and adipocytes. During figure preparation, we inadvertently duplicated the  $\beta$ -actin western blot image from Figure S6A in Figure S4C. We have now corrected Figure S4C with the  $\beta$ -actin control that was executed with the experiment shown. In addition, in Figure S4D, the protein integrin a was mistakenly labeled as "integrin  $\alpha V$ ." This label has been amended. The corrected figure appears below and in the paper online. We apologize for any confusion this duplication may have caused.

\*Correspondence: bruce\_spiegelman@dfci.harvard.edu.

Kim et al.

Integrin  $\alpha$  - 6 his tag:

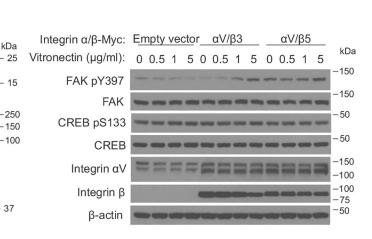
Integrin β1:

Irisin

Integrin  $\alpha$ 

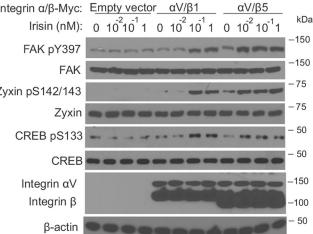
Irisin: +

А



	С
E	Integrin α/β-Myc:
0	Irisin (nM):
-	FAK pY397
-	FAK

Zyxin pS142/143



2

5

4

9 10 V

+

7

D

В

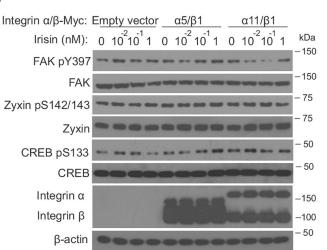


Figure S4. Irisin Acts via Integrin aV, (corrected)

Page 2

Kim et al.

Integrin α - 6 his tag:

Integrin β1:

Irisin

Integrin a

Irisin:

+

2

4

1

5

9 10 V

+

250

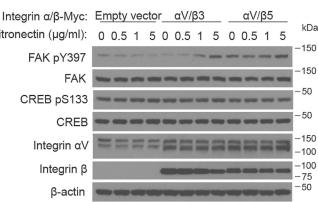
150 -100

37

7

А

В



Author Manuscript

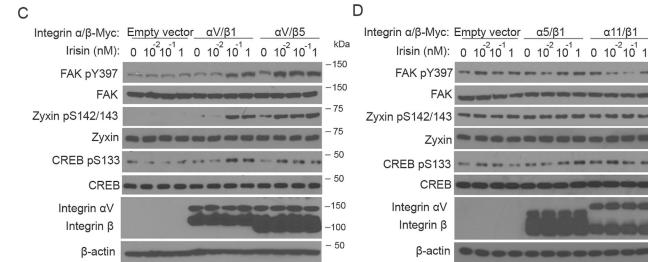


Figure S4. Irisin Acts via Integrin aV, (original)

Page 3

α11/β1

kDa -150

-150

75

75

- 50

- 50

-150

-100 50